IN THE SPECIFICATION

Please amend the specification as follows:

Page 11, replace the last paragraph starting at line 16 with the following:

The transfection technology utilizes numerous formulations and methods. The transfection methods are preferably chosen from one of the following categories: (i) chemical (e.g., lipofection and calcium phosphate), (ii) physical (e.g., electroporation and ballistic transfection techniques such as the "gene gun"), and (iii) viral (e.g., using viral vectors such as adenoviruses and retroviruses). Another suitable transfection technique is protoplast fusion. One embodiment involves the use of lipids (preferably cationic lipids) mixed with targeting moieties (or alternatively, comprising modified lipids that are linked to targeting moieties) where the targeting moieties are moieties that enhance transport of species (e.g., species linked or complexed to the targeting moiety) through the plasma or nuclear membranes. A variety of peptides and proteins are known in the art for this property including the charged sequence for SV40 T antigen having the sequence PKKKRKV (SEQ ID NO:1) and its well known variations for nuclear localization. Lipid preparations that have proteins that facilitate retrograde transport using endosomal mechanisms would be similarly useful in increasing transfection efficiency. The transfection methods include methods that lead to transient transfection and stable transfection. Stable expression is used to establish stable cell lines: vector DNA integrates into a small % of cells and these are selected for survival by growing cells on antibiotic containing media. This method is usually 10- to 100-fold less efficient. All categories and classes may be used with the methods of the present invention. However, transient lipofection worked surprisingly well in some preferred embodiment of the present invention and proved especially advantageous in allowing the methods of the invention to be carried out in a high-throughput, multi-well plate format. We have found that co-transfection using transient lipofection, according to the methods of the invention, produces a high efficiency of co-transfection (that is, when a cell is transfected it is highly likely that it contains both genes).

IN THE SEQUENCE LISTING

Kindly enter the attached original Sequence Listing.

Paper and computer readable forms of the Sequence Listing do not add new matter, and their contents are the same. It is respectfully submitted that the attached complies with 37 CFR § 1.821 et seq. Otherwise, prompt notice of any defects in the Sequence Listing is earnestly solicited and additional time is requested to comply.